



Optimizing SEAL Selection

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NSW Requirements Growth



■ Requirements

- Impact of Global War on Terrorism
- Officer/Enlisted Requirements

■ Growth plan

- Plan to meet increased requirements by FY08
- Accelerated plan to meet increased requirements by FY06

■ Impact to NSW

- Impact on officer/enlisted accessions
- Changes necessary to implement growth

BUD/S ATTRITION

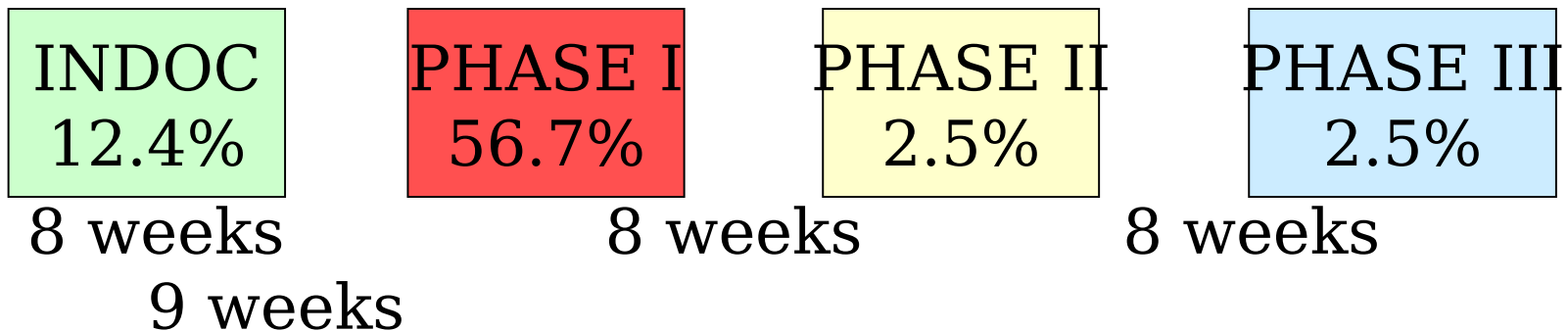


■ BUD/S has historical enlisted attrition of 70%

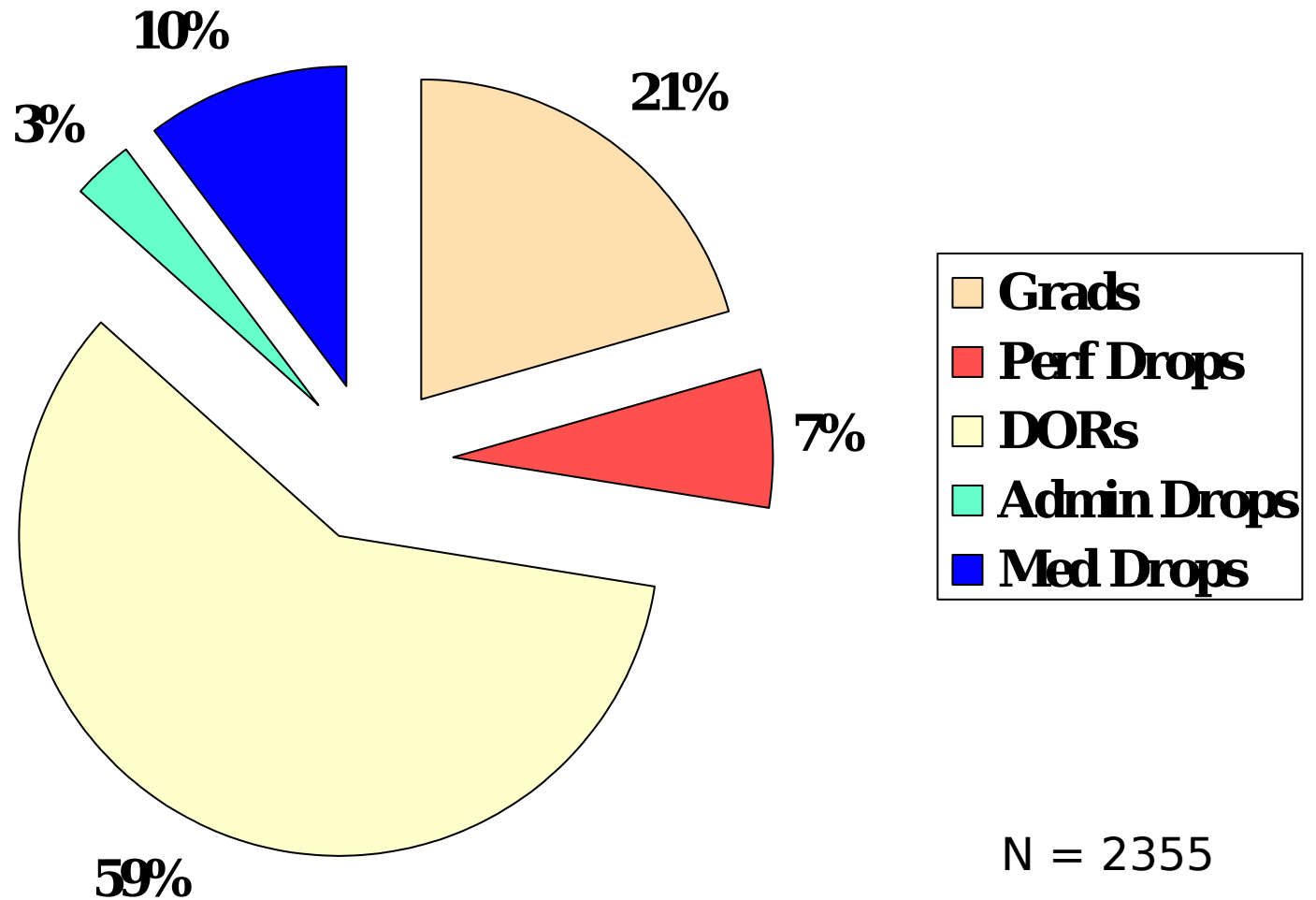
■ Training includes:

- Indoc - pre training
- Phase I - Basic conditioning / Hell Week
- Phase II - Diving
- Phase II - Land warfare

■ Average attrition by training phase:



SEAL Training Outcomes



SEAL Selection Project



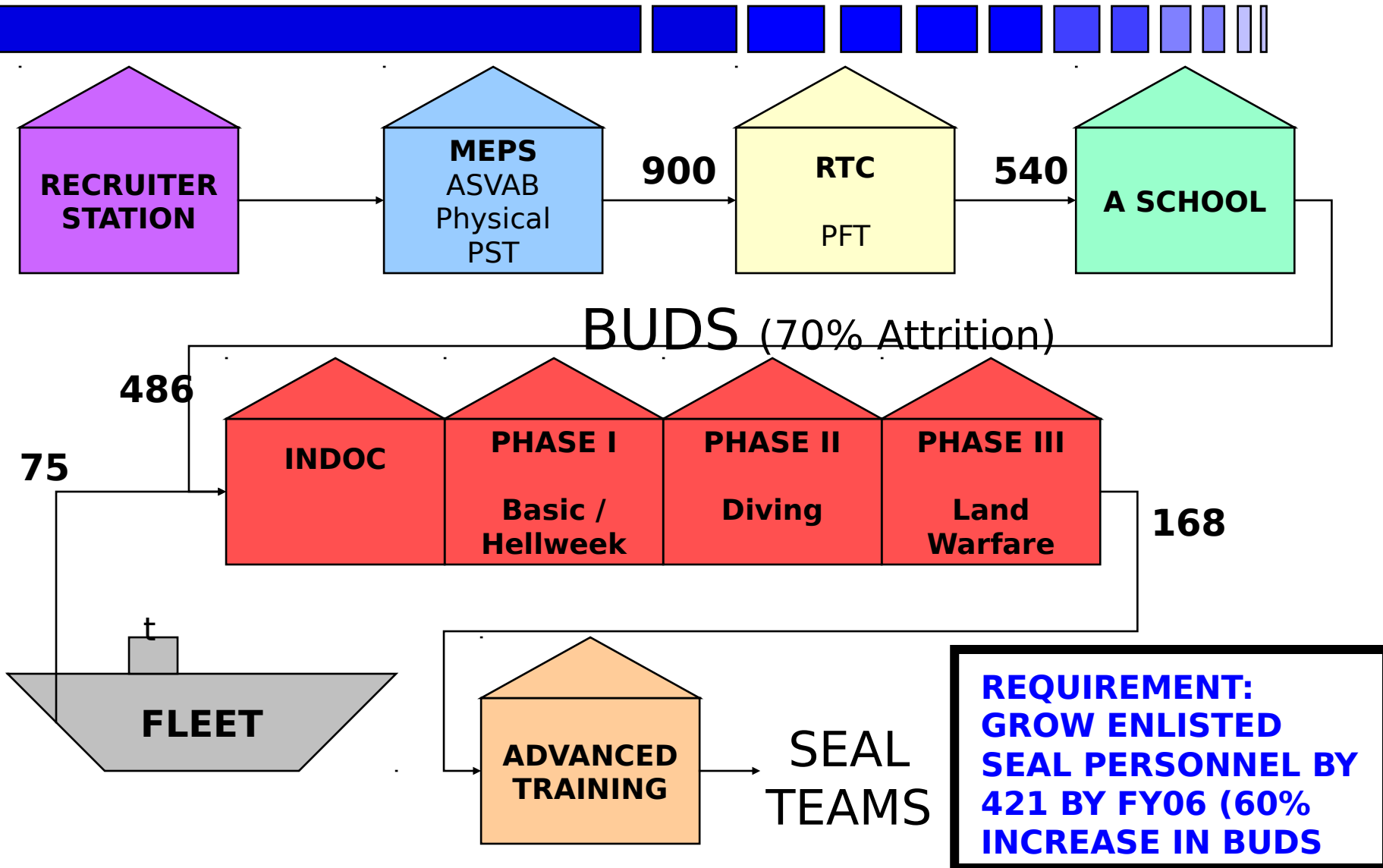
■ Requirement

- Grow SEAL enlisted personnel by 421 by FY06

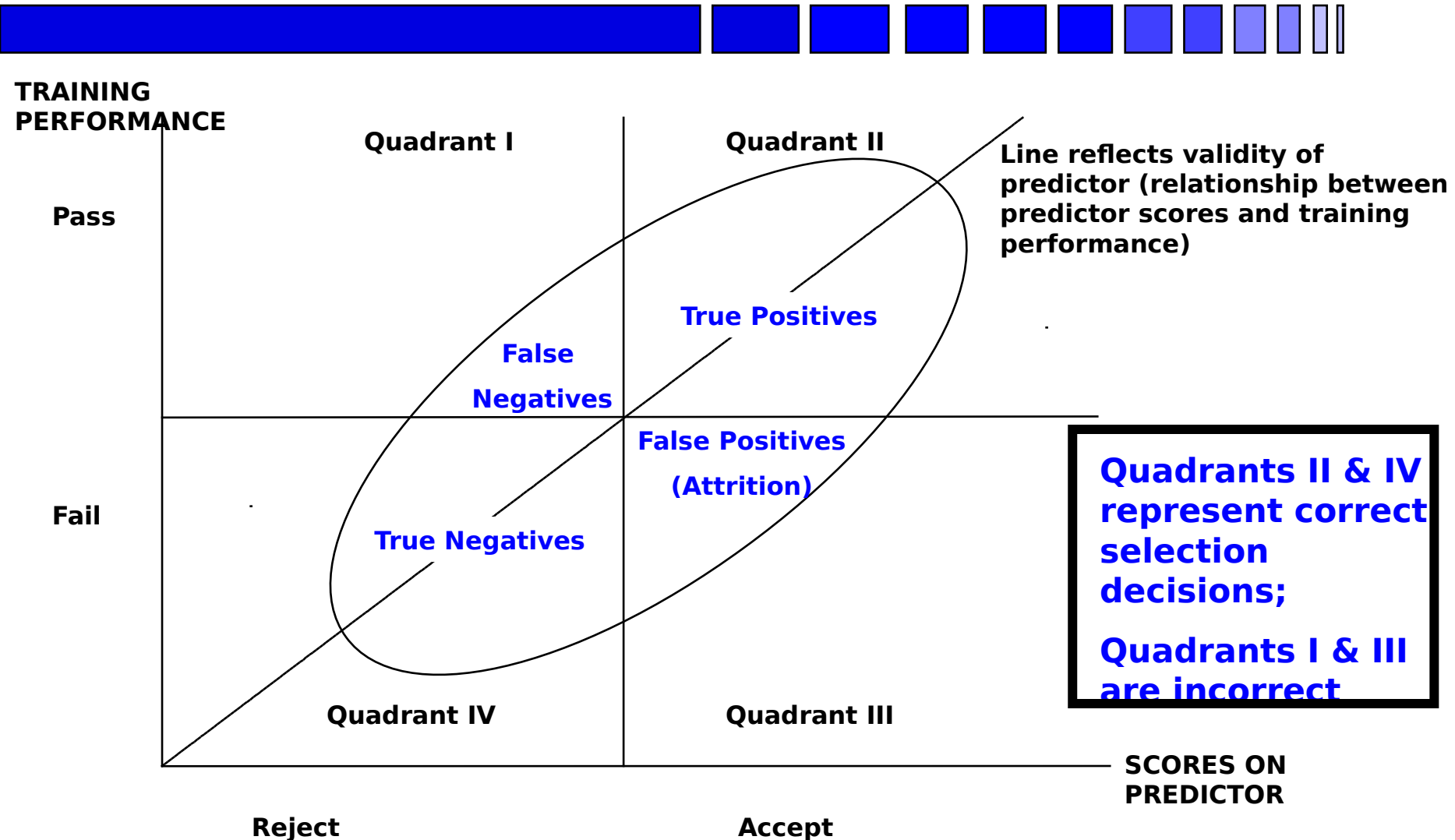
■ S&C Strategy

- Comprehensive evaluation of SEAL selection
- Goals
 - » Increase manning
 - » Reduce attrition
 - » Promote efficiency throughout pipeline
- Short-term and long-term milestones
 - » Optimize current process and procedures
 - » Develop new predictors of training success
- Establishing metrics to monitor effectiveness

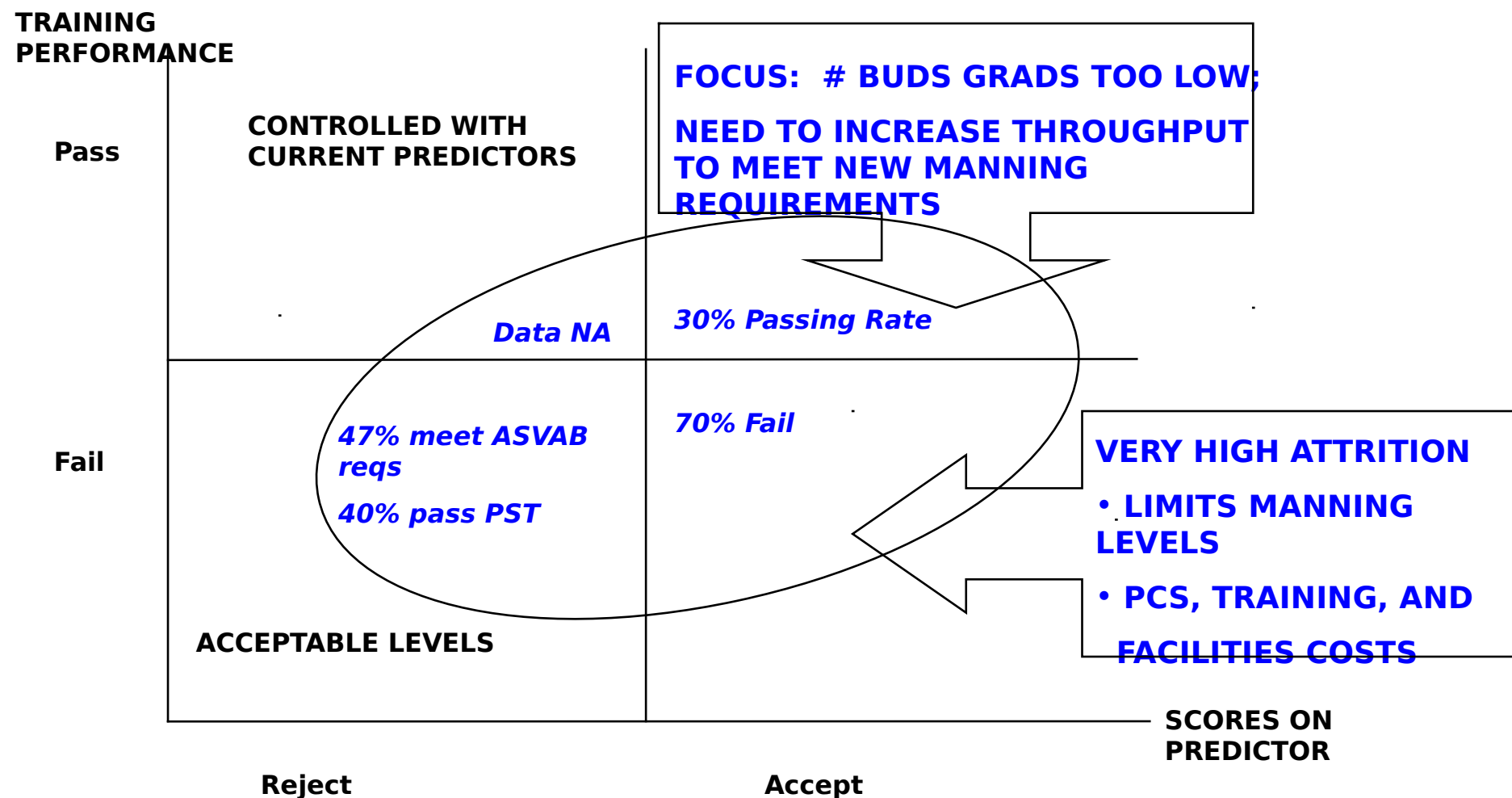
Current SEAL Enlisted Pipeline

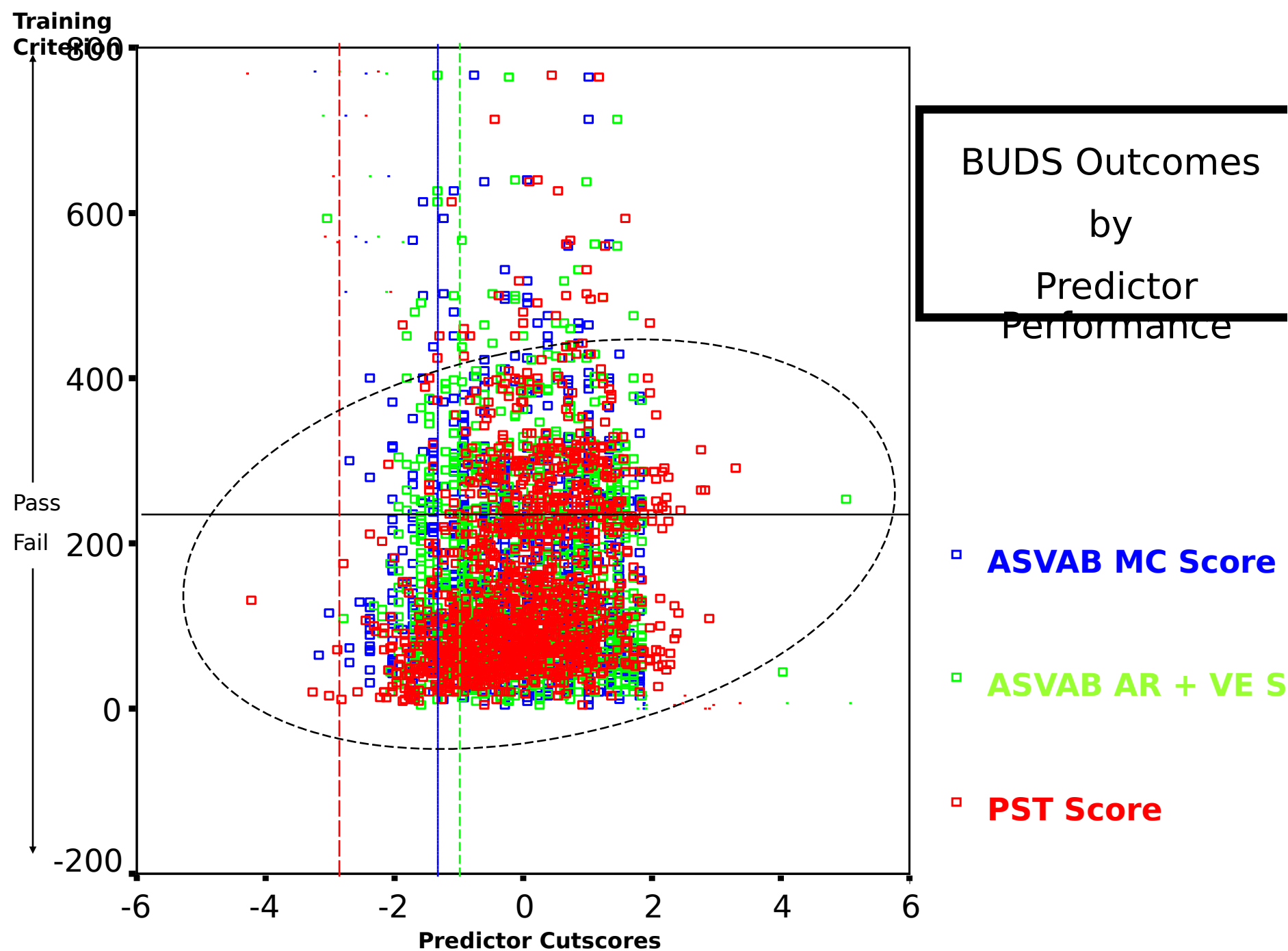


Selection System Diagnostic



SEALS Selection





Selection Variables



■ Base rate

- Proportion of candidates who could make it through the training without a selection measure
- Reflects the training performance standard
- SEALS have very low base rate (high performance standard)
- **FIXED VARIABLE: WILL MAINTAIN CURRENT PERFORMANCE STANDARD**

■ Validity

- Relationship between predictor measures and training performance
- Want to maximize
- Current SEAL predictors have moderate validity
- **GOAL: INCREASE VALIDITY OF SEAL SCREENING**

■ Selection ratio

- Number of people selected for training out of total number of candidates screened
- Need adequate pool of candidates to screen
- The lower the validity and the lower the base rate, the more candidates needed for screening
- **GOAL: INCREASE NUMBER OF CANDIDATES BEING SCREENED FOR SEALS**

Increasing Validity



■ Current predictors of SEAL training success

– Physical Fitness Test (PFT)

» Components

- Swim (500 yds in 12:30 minute limit)
- Pushups (42 minimum in 2 minutes)
- Situps (50 minimum in 2 minutes)
- Pullups (6 minimum, no time limit)
- Run (1.5 miles in 11:30 minute limit)

» Demonstrates modest but significant correlation with training success

» Needs to be quantified for maximum predictive value

» Evaluate components to ensure appropriateness of standards

» Examine procedures for alignment with recruiting practices

Increasing Validity (cont'd)



- **ASVAB**

- » **$AR+VE \geq 104$ and $MC \geq 50$**
- » **Data show probabilities of training success decline below cutscores**
- » **Test new composites**
 - **New subtest AO may predict land navigation**
- » **Re-validate cutscore**

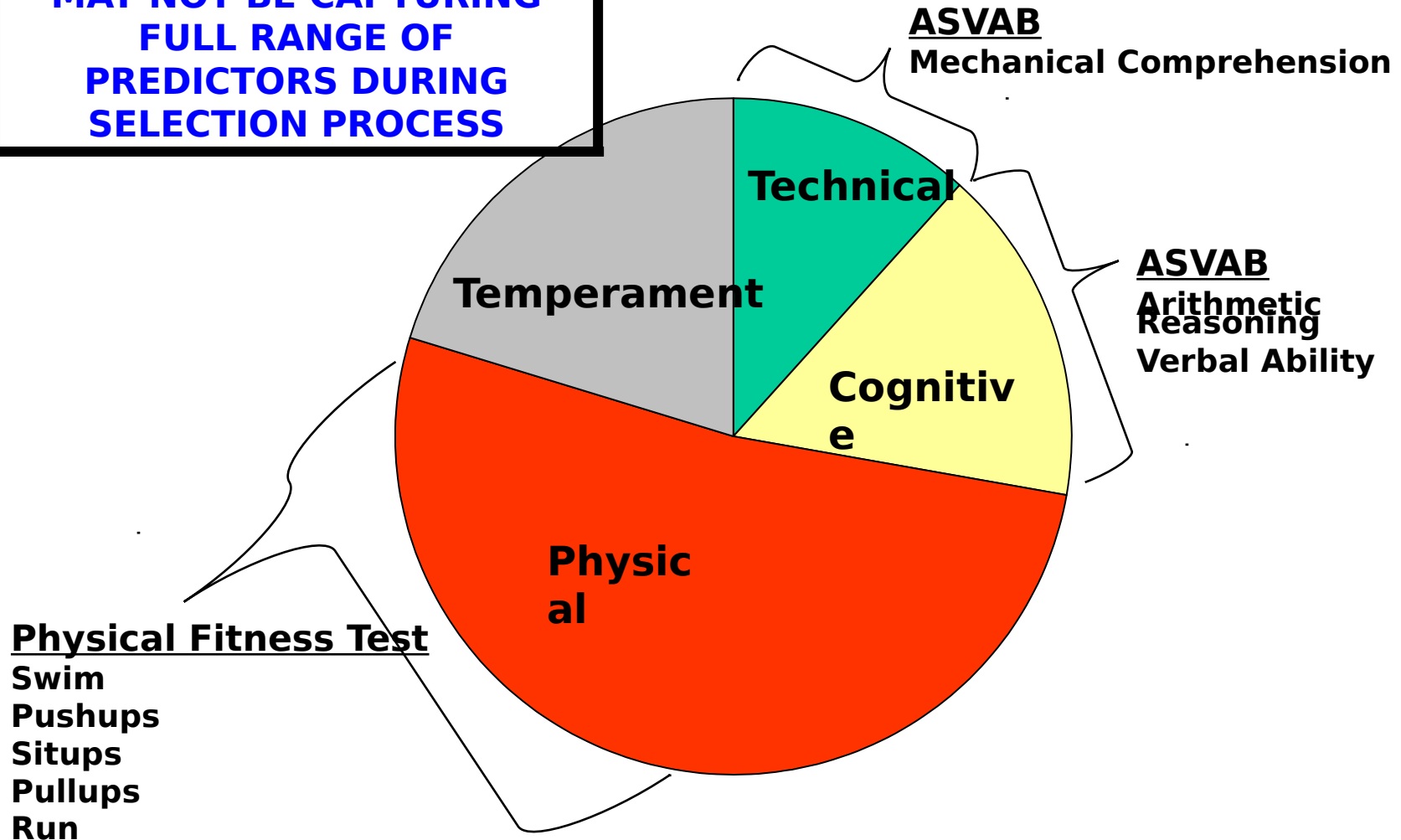
- **Augment current screening measures to include tests of individual temperament / personality**

- **Attrition rate suggests important predictors of training success are missing**

Predictors of BUDS Training Success



**MAY NOT BE CAPTURING
FULL RANGE OF
PREDICTORS DURING
SELECTION PROCESS**



New Screening Test Development



■ Research stress & performance

- Review studies
- Perform quantitative synthesis of findings
- Examine best practices
 - » Other services
 - » International groups

■ Convene technical working group

- Participants
 - » S&C
 - » SpecWar
 - » NPRST
 - » Aviation selection researcher
 - » Army

New Screening Test Development (cont'd)



- **Tasks**
 - » **Identify predictors of SEAL training success**
 - » **Select measures of predictors**
 - » **Conduct pilot study**
 - **Concurrent**
 - **Predictive**
- **Develop final selection battery & administration procedures**
 - » **Scoring instructions / procedures for ranking candidates**

Potential Predictors of SEAL Training Success



■ Interpersonal Skills

- Sociability .04-.30*
- Leadership .06-.40*

■ Work Orientation

- Conscientiousness .08- -.34*
- Motivation .22*-.39*
- Self-Efficacy .18*-.22*
- Attitudes towards Authority
- Fitness Orientation .10-.45*

■ Psychological Adjustment

- Depression -.11*- -.19*
- Negative Affect .10-.27

■ Resilience to stress

- Tolerance for Ambiguity .07-.34*
- Hardiness

**Figures represent
ranges of correlations
found in Special Forces
research**

* Indicates statistical significance

Modify Selection Ratio



- **Research factors related to SEAL interest**
 - **Demographics / background characteristics to inform recruiting efforts**
- **Expand pool using JOIN vocational interests tool**
 - **Provide systematic means for self-nomination**
 - **Interested applicants will be submitted for screening**



Sea/Air/Land



Next

